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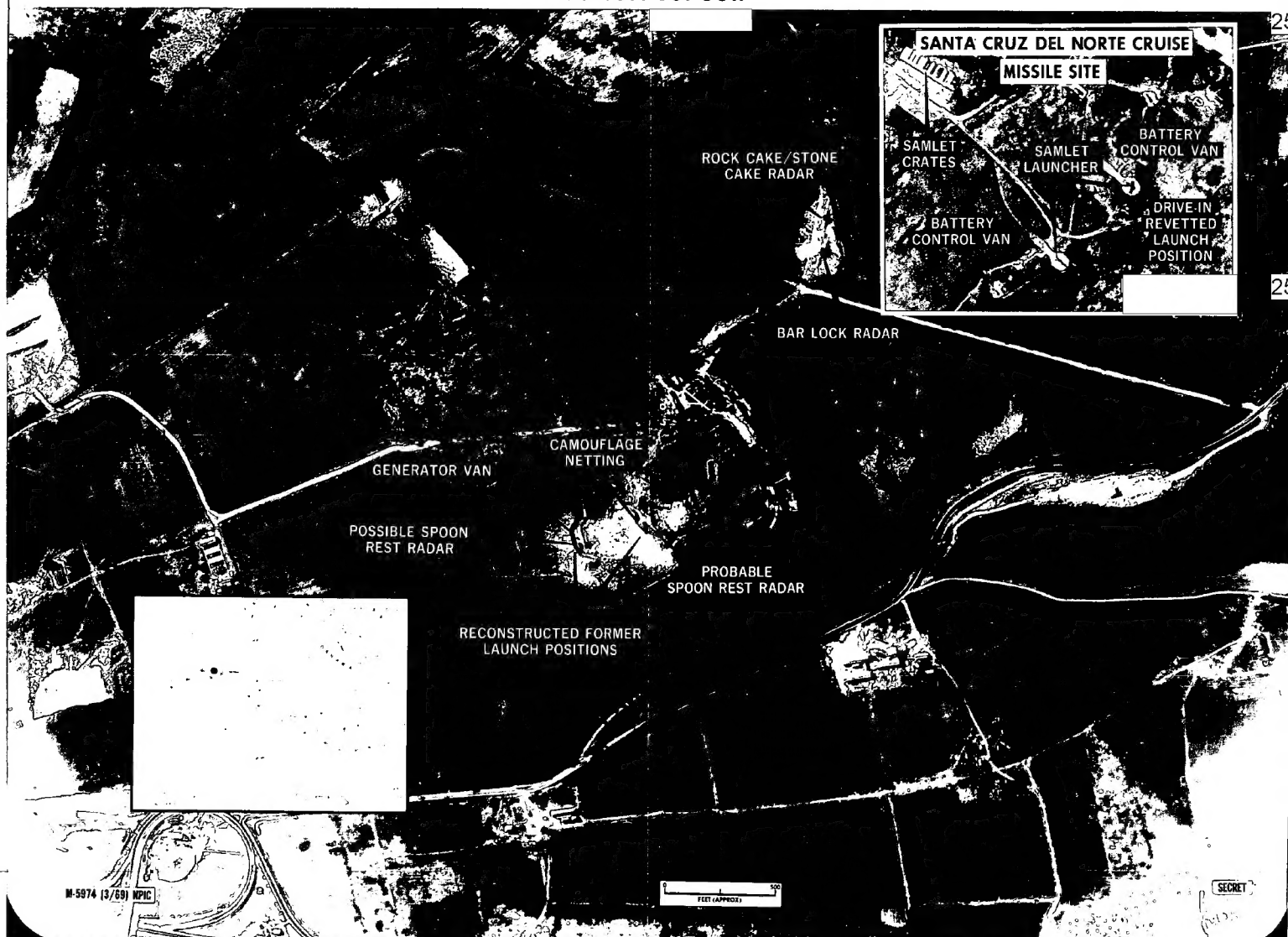
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**EXPANSION OF AIR WARNING FACILITIES  
SANTA CRUZ DEL NORTE, CUBA  
23-09N 081-56W**

25X1

25X1

25X1



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REFERENCE TO: GLASS LAMP

EXPANSION OF AIR WARNING FACILITIES,  
SANTA CRUZ DEL NORTE, CUBA

25X1

1. SIGNIFICANCE:

CONVERSION OF CRUISE MISSILE LAUNCH REVETMENTS  
AT SANTA CRUZ DEL NORTE CRUISE MISSILE SITE TO  
ACCOMMODATE AIR WARNING RADARS.

2. LOCATION:

0.9 NM WSW OF SANTA CRUZ DEL NORTE AT  
23-09N 081-56W.

3. REMARKS:

RECONSTRUCTED LAUNCH REVETMENTS AT SANTA CRUZ  
DEL NORTE CRUISE MISSILE SITE ARE OCCUPIED BY  
ONE PROBABLE AND ONE POSSIBLE SPOON REST  
ACQUISITION RADARS. THESE RADARS ARE PROBABLY  
ASSOCIATED WITH A BAR LOCK RADAR AND A ROCK  
CAKE OR STONE CAKE RADAR AT SANTA CRUZ DEL NORTE  
AW RADAR FACILITY 2 LOCATED 1,450 FT WSW. THE  
PRESENCE OF THESE RADARS IN THE SANTA CRUZ DEL  
NORTE VICINITY AUGMENTS CUBA'S AIR WARNING  
CAPABILITIES. SANTA CRUZ DEL NORTE CRUISE  
MISSILE SITE WAS ACTIVE UNTIL PHOTOGRAPHY OF

SHOWED IT WAS EVACUATED. PHOTOGRAPHY

25X1

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GROUP 1 EXCLUDED FROM  
AUTOMATIC DOWNGRADING  
AND DECLASSIFICATION

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OF [ ] SHOWED THAT THE SITE WAS REOCCUPIED  
AND IT REMAINED OPERATIONAL UNTIL PHOTOGRAPHY  
OF [ ] SHOWED THE LAUNCH POSITIONS AND THE  
GUIDANCE AREA VACATED. SINCE THAT DATE NO  
MISSILES OR MISSILE-RELATED EQUIPMENT HAVE BEEN  
OBSERVED. ON [ ] A POSSIBLE SPOON REST  
RADAR WITH GENERATOR VAN WAS OBSERVED IN THE  
WESTERN LAUNCH REVETMENT.

25X1

25X1

25X1

4. IMAGERY ANALYSIS:

THE TWO REVETTED LAUNCH POSITIONS AT SANTA CRUZ  
DEL NORTE CRUISE MISSILE SITE HAVE BEEN RECON-  
STRUCTED AND ARE NOW DRIVE THROUGH-TYPE REVETMENTS.  
A PROBABLE SPOON REST RADAR AND CAMOUFLAGE  
NETTING WERE OBSERVED WITHIN THE WESTERNMOST  
REVETMENT, AND A POSSIBLE SPOON REST RADAR WITH  
A GENERATOR VAN WERE OBSERVED WITHIN THE OTHER  
REVETMENT ON NONSTEREO PHOTOGRAPHY OF [ ]  
[ ] AND STEREO PHOTOGRAPHY OF [ ]  
THESE RADARS ARE PROBABLY ASSOCIATED  
WITH THE RECENTLY ESTABLISHED SANTA CRUZ DEL  
NORTE AIR WARNING RADAR FACILITY 2 AT 23-08-55N

25X1

25X1

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081-56-35W [ ] APPROXIMATELY  
1,450 FEET WSW, WHERE A BAR LOCK RADAR AND  
A ROCK CAKE OR STONE CAKE RADAR ARE SITUATED  
ON NEWLY CONSTRUCTED MOUNDS. THESE FOUR  
RADARS WERE PROBABLY PRESENT AS EARLY AS

25X1

[ ]  
AT SANTA CRUZ DEL NORTE AIR WARNING RADAR  
FACILITY 23-08-42N 081-55-54W [ ]  
0.5 NM SE OF THE FORMER LAUNCH POSITIONS,  
RADAR WAS LAST OBSERVED ON [ ]  
THIS FACILITY WAS SUBSEQUENTLY VACATED AND  
MOUNDS WERE OBSERVED UNDER CONSTRUCTION THERE  
ON [ ] THESE MOUNDS WERE  
PROBABLY COMPLETED, BUT THEY WERE UNOCCUPIED  
ON [ ]

25X1

25X1

25X1

25X1

25X1

25X1

ENLARGEMENT FACTOR

20 X

INSET

20 X

IEG/WGD

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